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The kinetics of ethyl acetate hydrolysis in the presence of naphtite K1-5, and also in the presence of different samples of this cationites with a partial replacement in those of the hydrogen-ion through the ion ammonium-triethylbenzyl was studied. Only the strongly acid functional group (sulfonic acid group) shows a catalytic ability. In neutral or little acid medium, in the bifunctional cationites. The introduced complex ion of ammonium-triethylbenzyl diminishes the catalytic ability of the remaining, nonsubstituted hydrogen ions. (Author)

(Chemistry--Physical, TT, v. 5, no. 4)

60-16958

1. Ion exchange resins--
Catalytic properties
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DISTRIBUTION COEFFICIENT OF SIMULTANEOUS
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FROM ELECTROLYTES WITH VARIOUS ANIONS. tr.
in: Elektroliticheskiye [1961] 8p. (5 figs. 2 tables omitted) 3 refs.

Order from OTS or SLA \$1.10

61-15063

Trans. of Uzbekskiy Khimicheskiy Zhurnal (USSR) 1959,
no. 1, p. 41-49.

DESCRIPTORS: *Cobalt, *Nickel, *Electrodeposition,
Electrolytes, Ions, Chemical reactions.

The possibility is shown of significantly increasing or decreasing the magnitude of the distribution coefficient for the process of joint deposition of Co and Ni by using electrolytes differing in the nature of their anions or by introducing additives containing other anions into the starting electrolyte. A direct dependence is established between the magnitude of the distribution coefficient on (Chemistry-Physical, TT, v. 6, no. 4) (over)

61-15063

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CPSTI TT 69-53028

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THE MECHANISM OF THE INFLUENCE OF ANIONS
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TION OF COBALT AND NICKEL, tr. by Leonard
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Trans. of Uzbekskiy Khimicheskiy Zhurnal (USSR) 1959,
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DESCRIPTORS: *Cobalt, *Nickel, *Electrodeposition,
Ions, Chemical reactions.

The basic reason for the influence of the nature of an-
ions of electrolytes on the magnitude of the distribution
coefficient on joint electrodeposition of Co and Ni is
the difference in chemical affinity of anions of the elec-
trolyte adsorbed on the surface of the cathode, to the
ions of Co and Ni. This is confirmed by experimental
data obtained by measurements of the potentials of
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61-15062

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Partial trans. is available from LC or SLA mi\$1.80,
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DESCRIPTORS: •Rickettsia, Classification, Infections.

(Biological Sciences--Microbiology, TT, v. 6, no. 11)

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